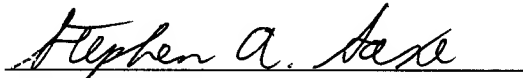


REMARKS

Applicants have elected the claims of Group IV for examination. In addition, claim 83 has been amended (and is now twice amended) and new claim 92, which is similar to the once amended claim 83, has been added.

Respectfully submitted,

A handwritten signature in cursive script, reading "Stephen A. Saxe", is written over a horizontal line.

Stephen A. Saxe

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Amended Claim 83: Version with markings to show changes made

83 (twice amended). A method for determining a restriction enzyme map of a microorganism, wherein said method comprises the steps of:

(a) concentrating said microorganism which comprises the steps of:

- (i) adding a sample containing said microorganism to an ultracentrifuge tube and
- (ii) centrifuging said sample in said tube to concentrate said microorganism, said ultracentrifuge tube comprising an upper region, a middle region and a lower region wherein an inner diameter of said upper region is larger than an inner diameter of said middle region and wherein an inner diameter of said middle region is larger than an inner diameter of said lower region;

(b) extracting said genome from said concentrated microorganism to produce extracted nucleic acid;

[(c) staining said extracted nucleic acid;

(d) immobilizing said extracted nucleic acid on a solid support to produce immobilized nucleic acid;]

[(e)c] treating said [immobilized] nucleic acid with one or more restriction enzymes to produce fragments of nucleic acid; and

[(f)d] determining (1) the number of said fragments of nucleic acid, (2) [and] the lengths of said fragments of nucleic acid [fragments produced], or (3) both the number of said fragments of nucleic acid and the lengths of said fragments of nucleic acid.